PDP TV Visual Troubleshooting Guide book

Version 1.0
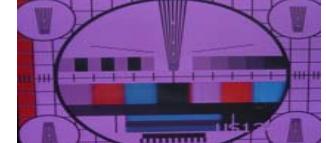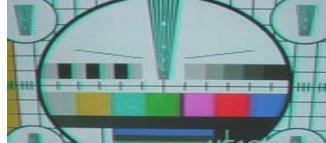
Service Academy Part
Customer Service Operation

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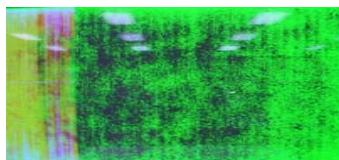
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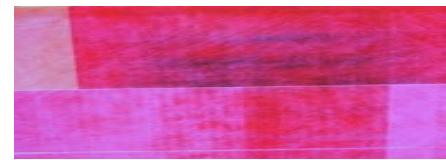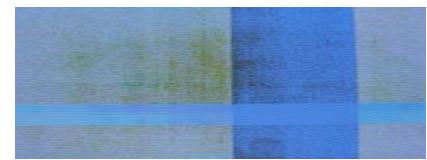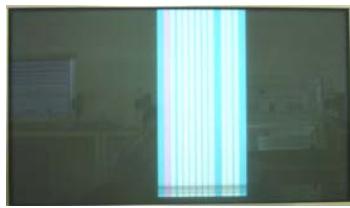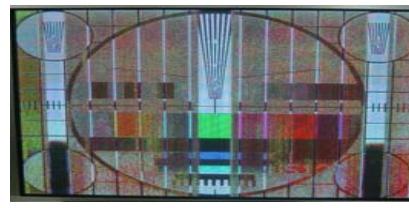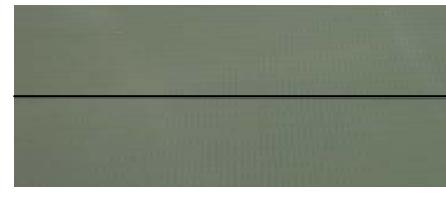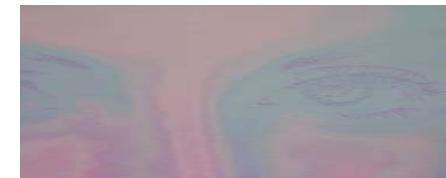
No Power

(LED OFF in ST-BY Mode)
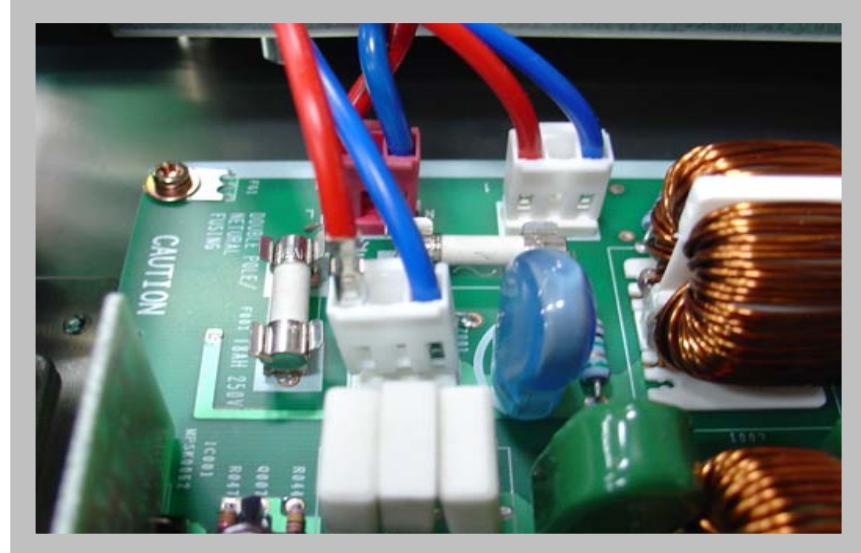
Check the Power Supplying status and Main Power S/W ON

Check EMI Board Fuse

Fuse should be 15A
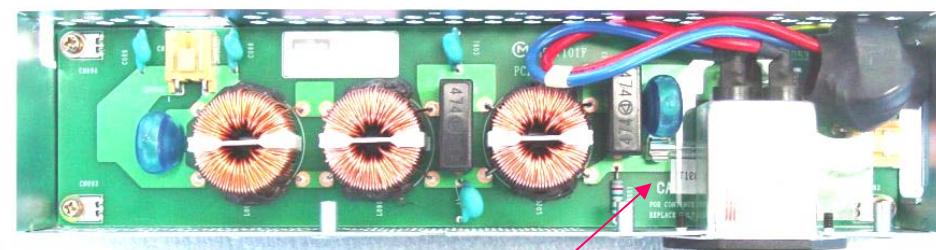
Fuse 15 A
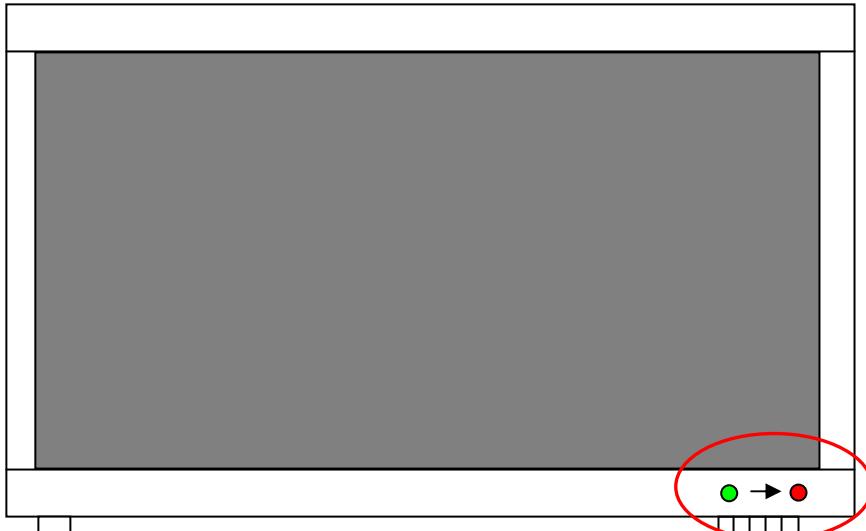
After Power On 2 ~ 3sec Automatically Off

(Green LED Turns to Red)
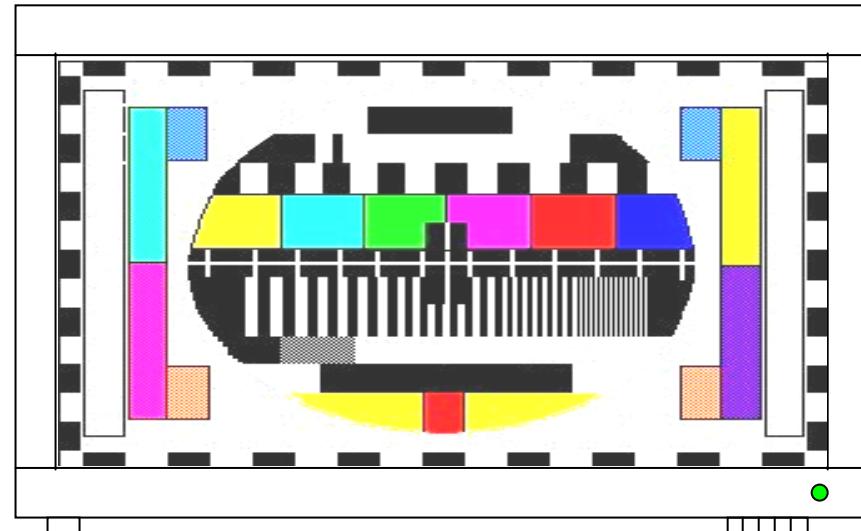
**Normal Screen**

- **Applicable Model   : ALL**
- **Main Check   : Check the B+ Voltage at Each Port (VS, VA, V-Setup)**
- **Symptom   : After Power on 2 ~ 3 Sec, Automatically Power Off (LED Turns to Red)**
- **Remedy   : Replace Y- B/D**

Color ADD Bar
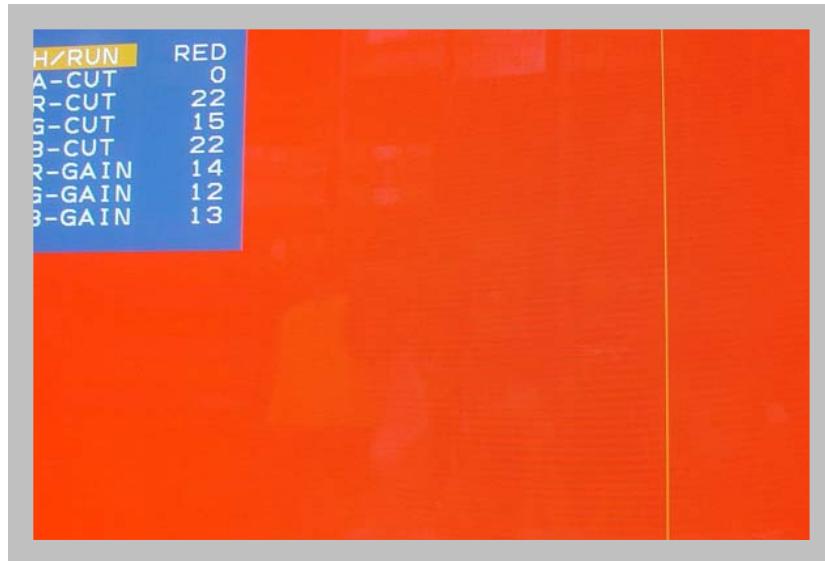
ADD Bar with Specific Color
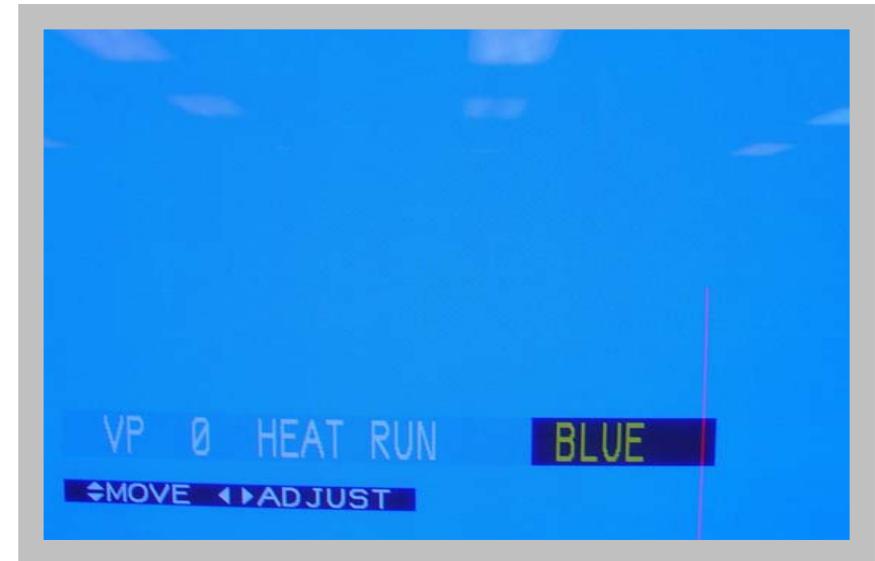
ADD Bar with Specific Color

- **Applicable Model** : **ALL**
- **Main Check** : **Check One-Line with a specific color when changing R,G,B**
- **Symptom** : **One-Line ADD Bar (Specific Color ex. Magenta, Cyan, Yellow)**
- **Remedy** : **Replace Module**

Black ADD BAR width 2 ~ 3 ㎝
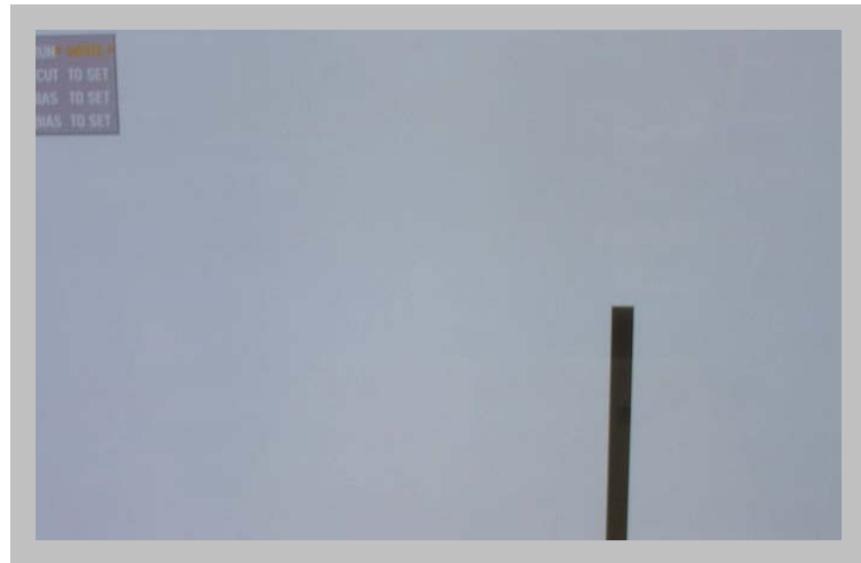
Black ADD BAR width 2 ~ 3 ㎝

- **Applicable Model : ALL**
- **Main Check : Check 10 Ω register in front of COF IC**
- **Symptom : Black ADD BAR width 2~3 cm**
- **Remedy : Replace Module**
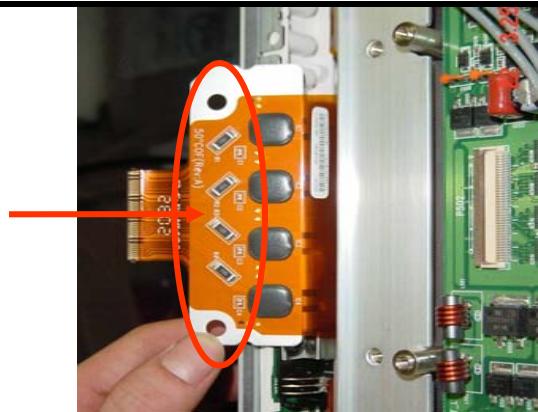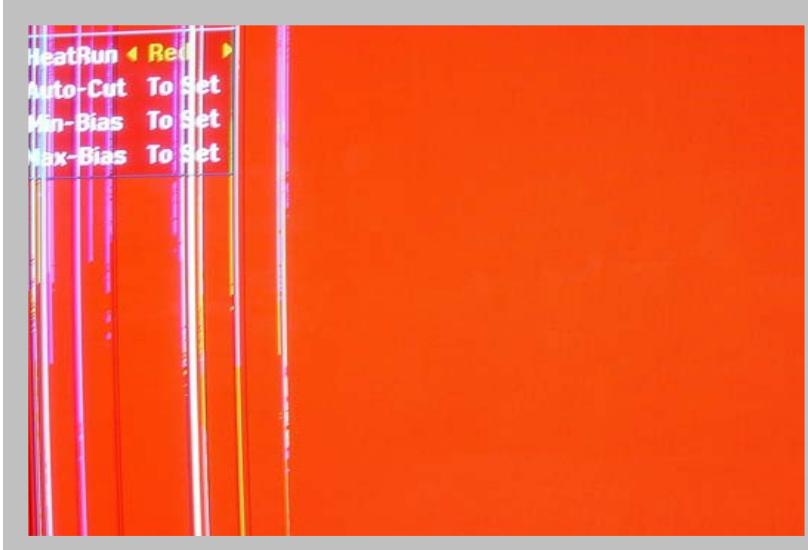
A Series of ADD BAR

A Series of ADD BAR

- **Applicable Model   : ALL (KK Module)**
- **Main Check   : Check Film connection in front of COF IC**
- **Symptom   : A Series of ADD Bar**
- **Remedy   : Replace Module**

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Color ADD Bar

Width 5 ~ 6 Cm
Magenta, Cyan, Yellow
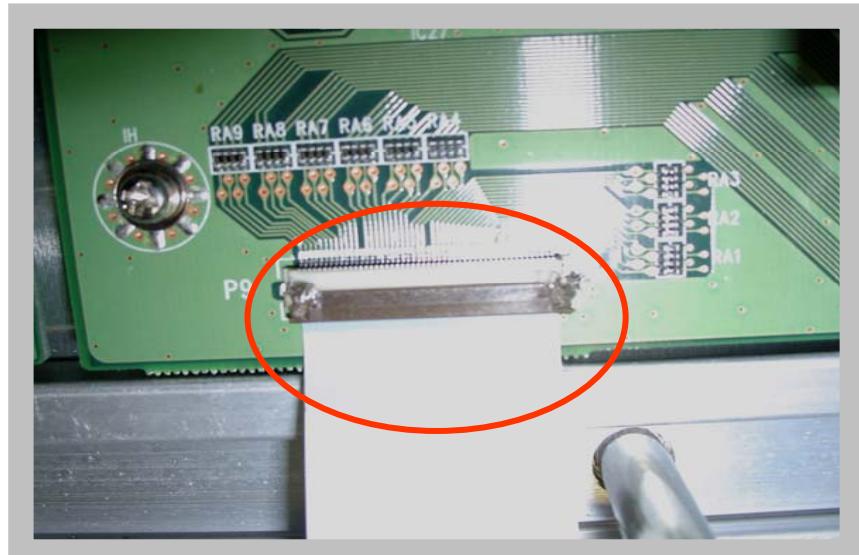
Check the Film Connector between X-B/D and Control B/D

- **Applicable Model :   ALL**
- **Main Check   :   Check Film connector between X-B/D and Control B/D**
- **Symptom   :   ADD Bar width 5~6 cm(specific color, magenta, cyan, yellow)**
- **Remedy   :   Replace Film Connector**

Black ADD BAR
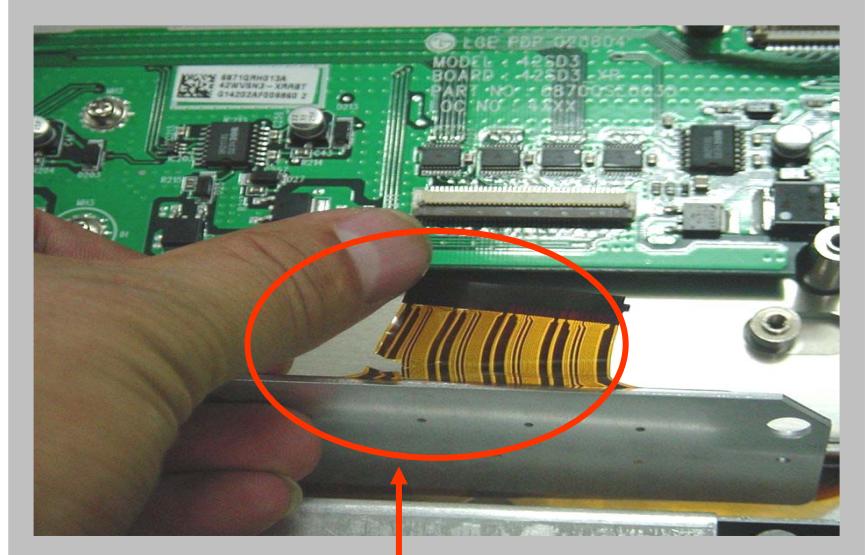
Check the film connector between X-Board and Control Board

Broken Film

- **Applicable Model** : **ALL**
- **Main Check** : **Check Film connector between X-B/D and Control B/D**
- **Symptom** : **Black ADD Bar**
- **Remedy** : **Replace Module**

Reddish Screen

Wrong VSC Board DATA

- **Applicable Model   :   M(X)-42PZ90**
- **Main Check   :   Check the Data at White balance mode**
- **Symptom   :   Reddish screen**
- **Remedy   :   Change the Data**
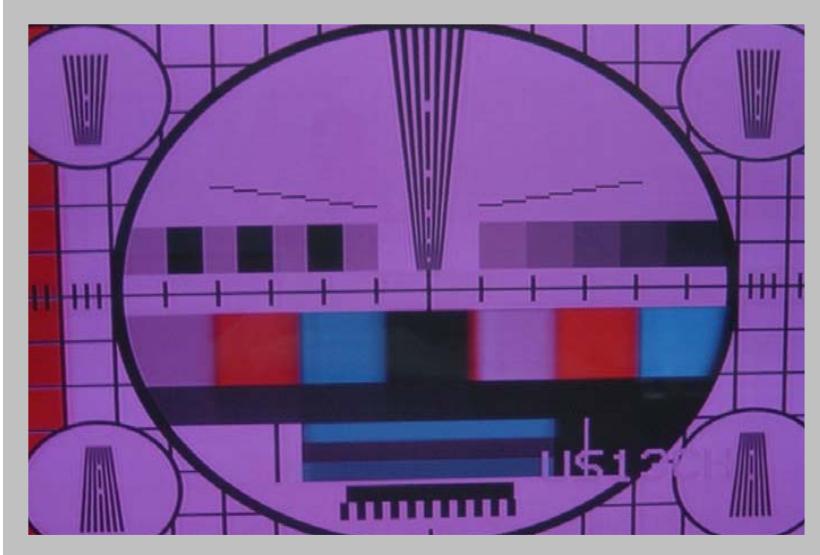
Missing Specific Color
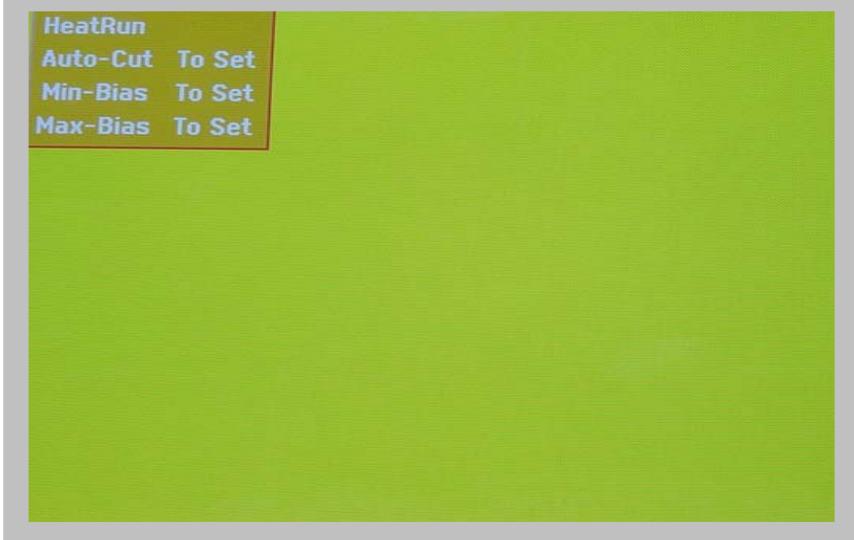
Missing Specific Color

- **Applicable Model** : **ALL**
- **Main Check** : **Check Cable at VSC B/D and Settop Box**
- **Symptom** : **Missing Specific Color**
- **Remedy** : **Replace VSC B/D**
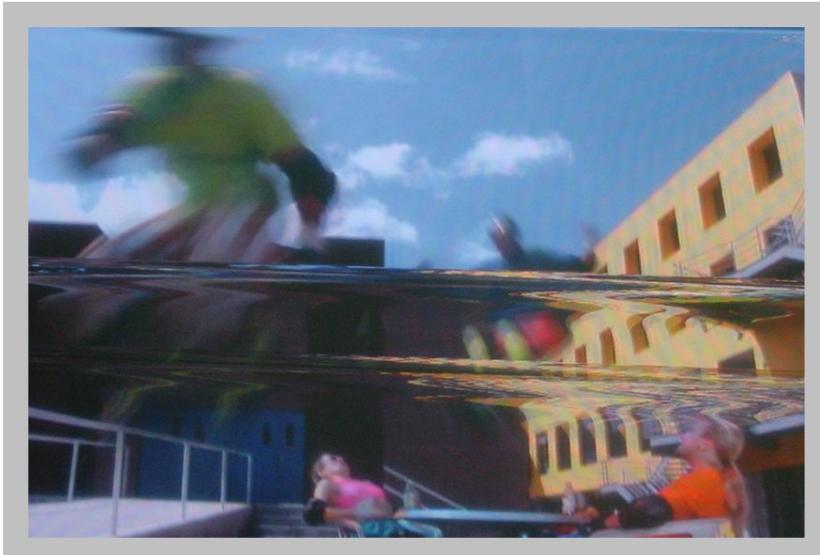
Screen Distortion
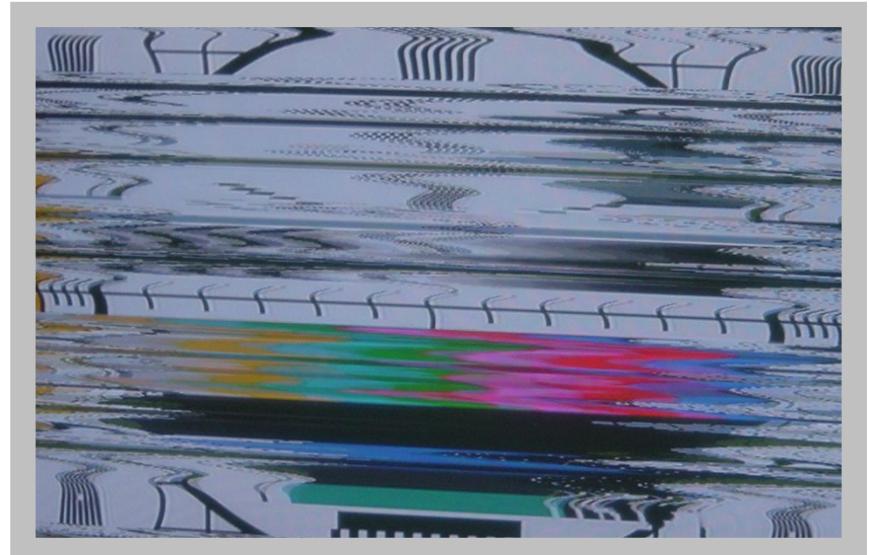
Screen Distortion

- **Applicable Model** : **ALL**
- **Main Check** : **Check the Oscillation of VSC B/D**
- **Symptom** : **Normal OSD and Picture Distortion**
- **Remedy** : **Replace VSC B/D**

Mosaic distortion

Check **VSC-B/D**
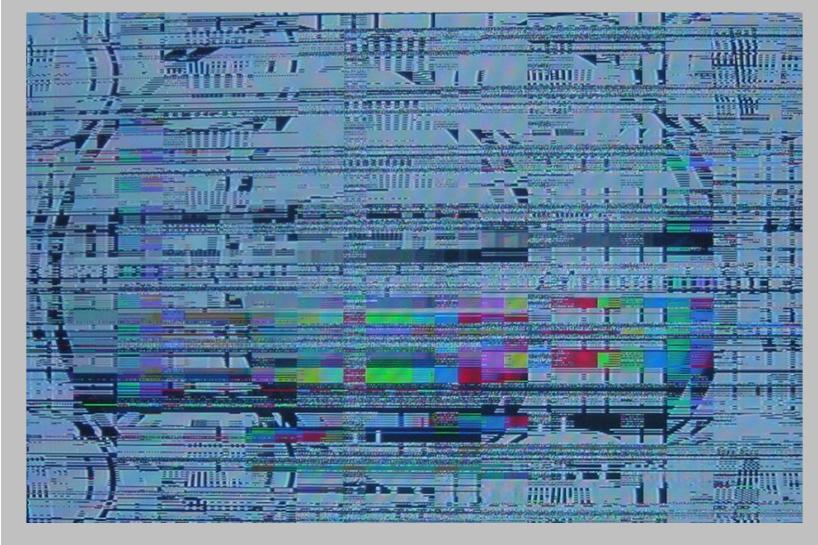

Mosaic Screen

Mosaic Screen

- **Applicable Model** : **ALL**
- **Main Check** : **Check the Oscillation of VSC B/D**
- **Symptom** : **Mosaic Picture**
- **Remedy** : **Replace VSC B/D**

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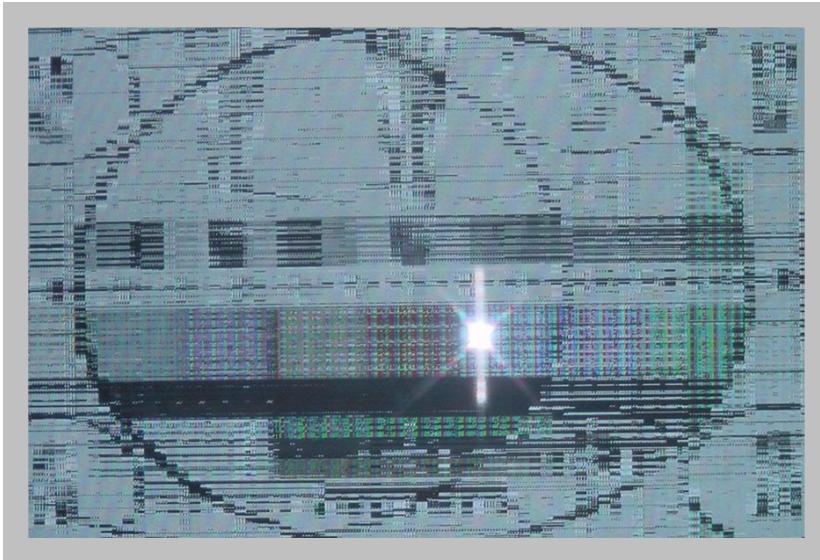
Screen Distortion
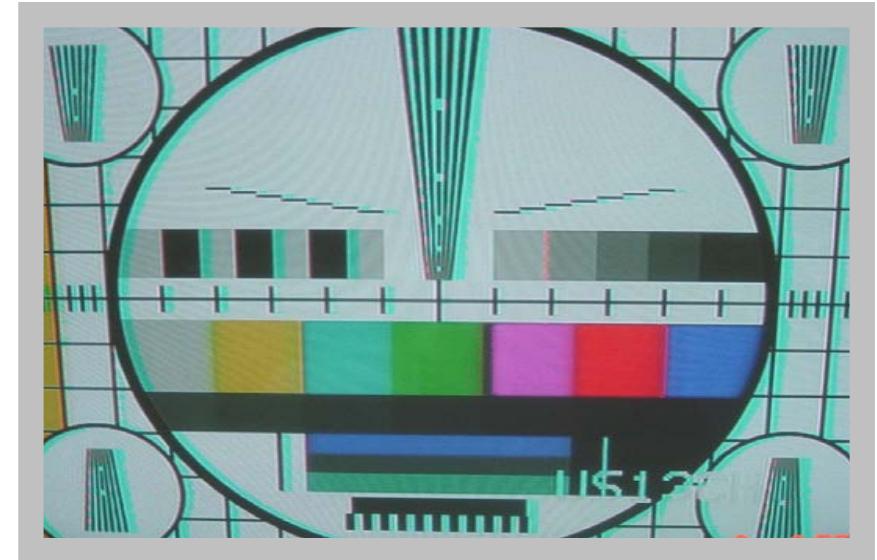
Smear

- **Applicable Model** : **ALL**
- **Main Check** : **Check the Oscillation of VSC B/D**
- **Symptom** : **Distortion Picture**
- **Remedy** : **Replace VSC B/D**

NO RASTER
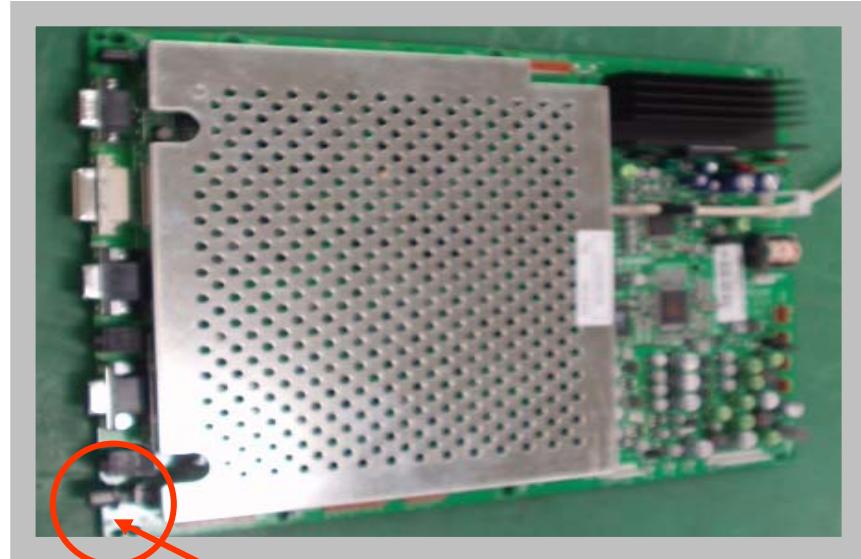
Check the Position of SVC S/W

- **Applicable Model** : **ALL**
- **Main Check** : **Check the Location of VSC B/D 's SVC S/W**
- **Symptom** : **No Raster**
- **Remedy** : **Change the S/W location (S/W upgrade)**

Flicker

Flicker

- **Applicable Model** : **ALL**
- **Main Check**   : **Check the VSC B/D**
- **Symptom**   : **Mal Discharge of Specific Color**
- **Remedy**   : **Replace the VSC B/D**
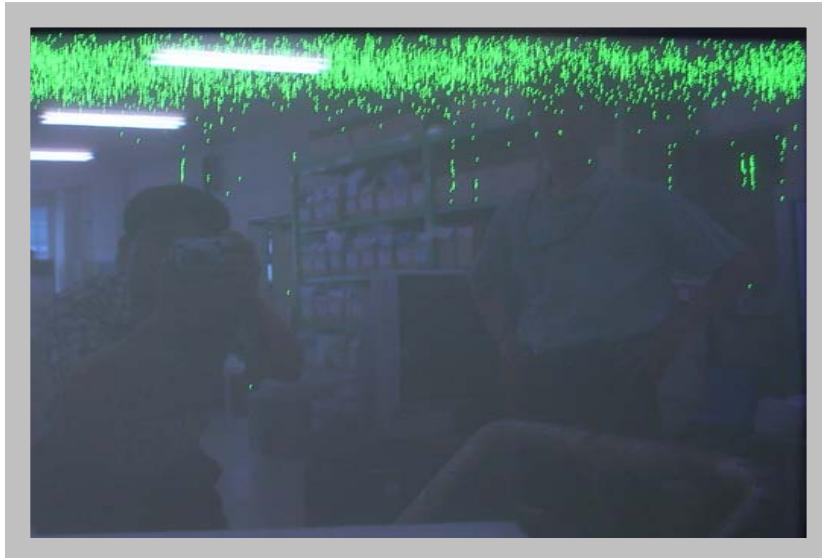
Flicker
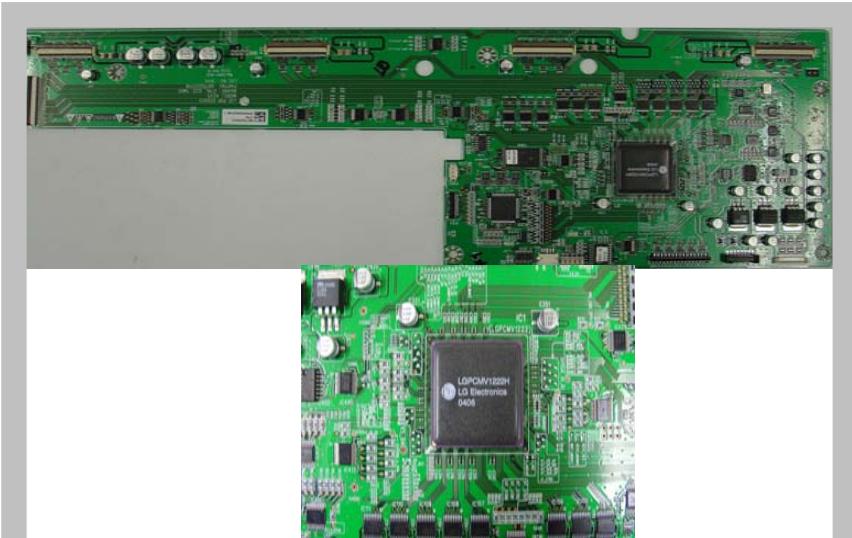
Module Control Board

- **Applicable Model** : **M(X)-42PZ90**
- **Main Check** : **Check the Control B/D and Micom Version**
- **Symptom** : **Flicker**
- **Remedy** : **Replace the Module control B/D**

Same Distance Bar
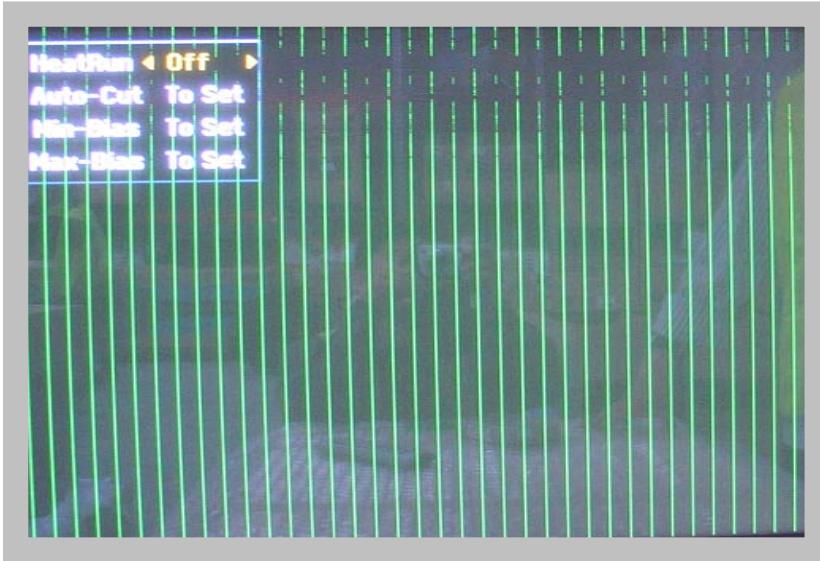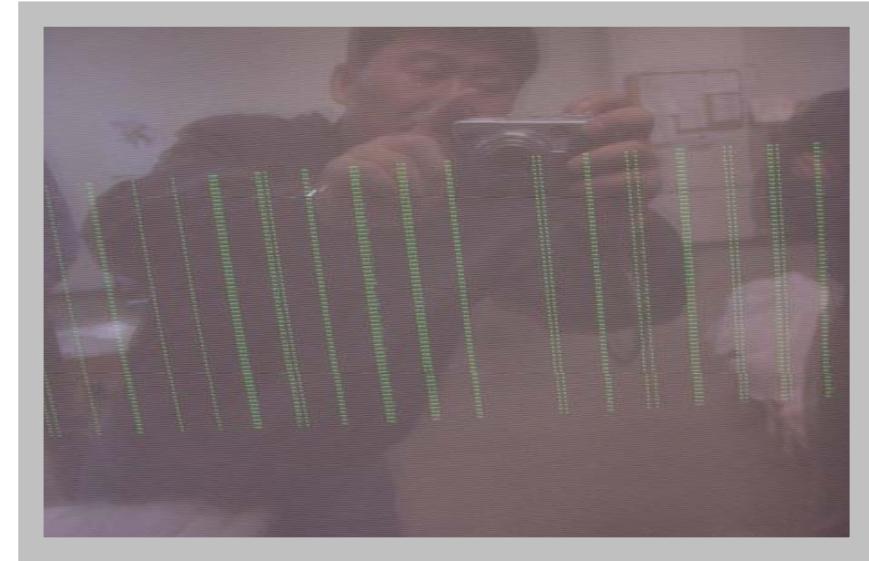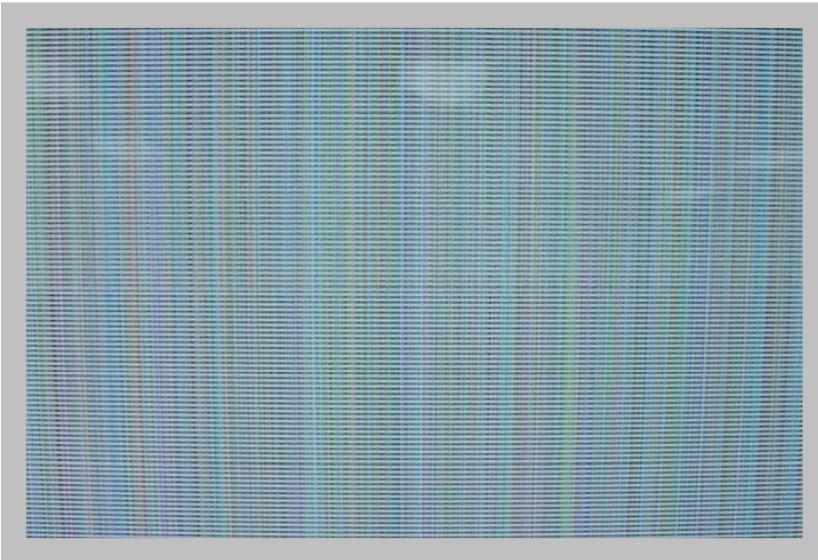
BAR with same distance

BAR with same distance

- **Applicable Model** : **All**
- **Main Check** : **Check the Control B/D and Micom Version**
- **Symptom** : **Bar with same distance**
- **Remedy** : **Replace the Module control B/D**

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Same Distance Bar

BAR with same distance
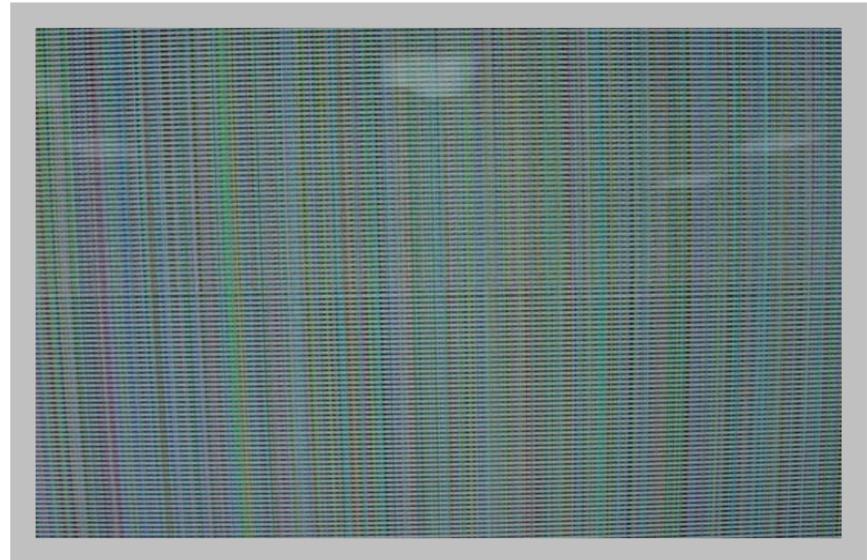
BAR with same distance

- **Applicable Model** : **All**
- **Main Check** : **Check the Control B/D and VSC Connection cable**
- **Symptom** : **Bar with same distance or Normal OSD with Mosaic picture**
- **Remedy** : **Replace the Module control B/D**

Flicker
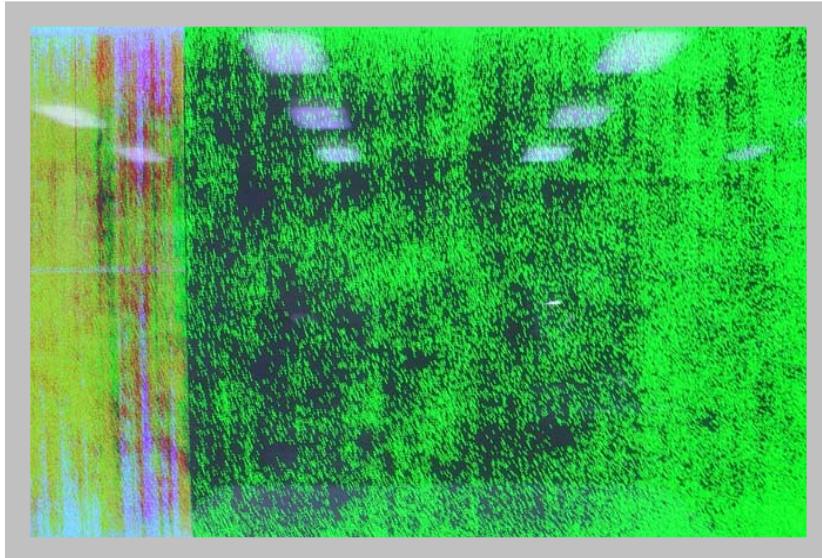
Flicker
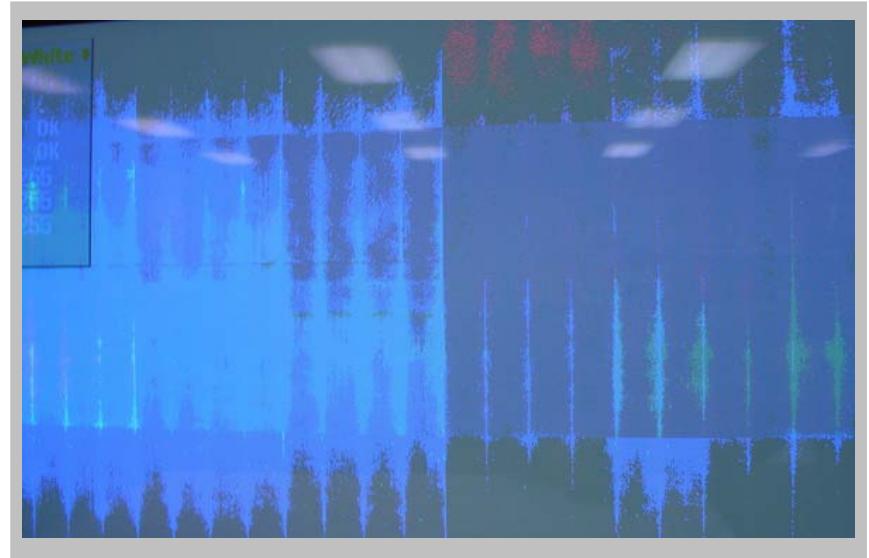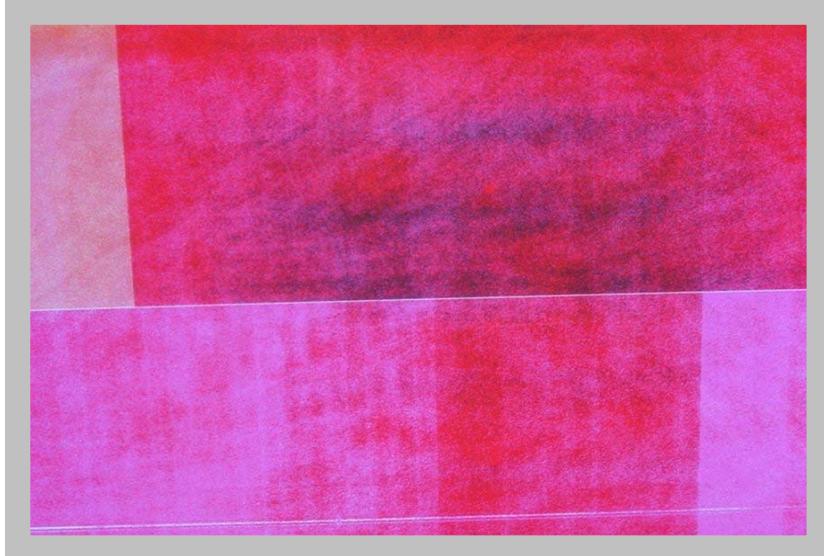
- **Applicable Model** : **All**
- **Main Check** : **Check the Vs, Vset-up, Y-B/D**
- **Symptom** : **No picture with Mal discharge**
- **Remedy** : **Replace the Y-B/D**

Flicker

Flicker

- **Applicable Model** : **All**
- **Main Check** : **Check the Vs, Vset-up, Y-B/D**
- **Symptom** : **No picture with Mal discharge**
- **Remedy** : **Replace the Y-B/D**
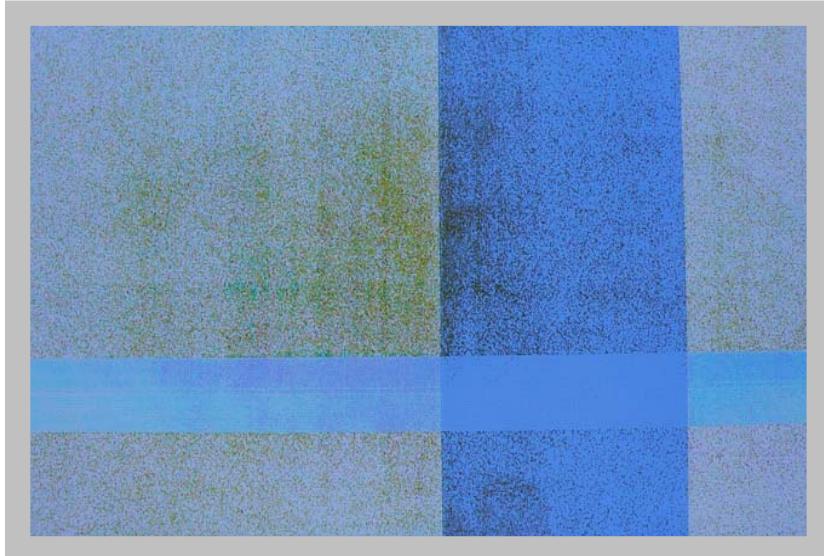
Flicker
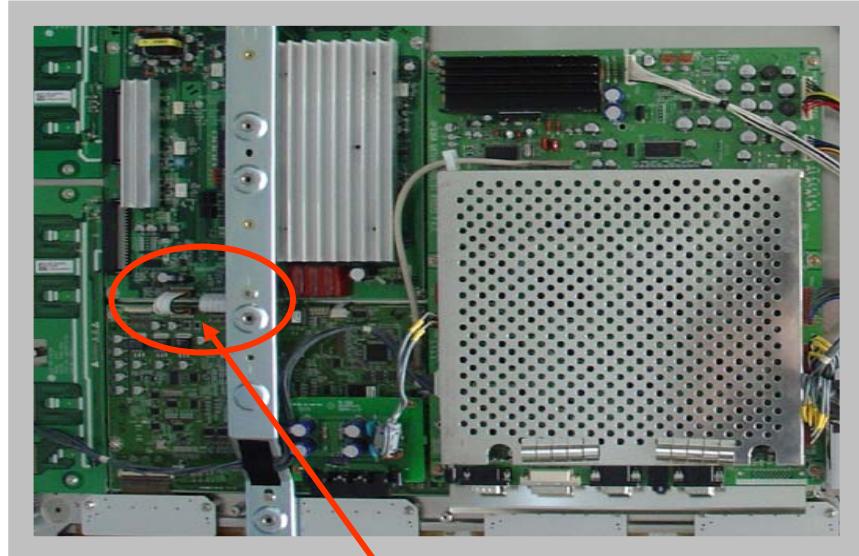
Check 15V LINE B+ Voltage

- **Applicable Model** : **M(X)-42PZ90**
- **Main Check** : **Check the 15V Line falls to (8~9V) supplied to the module control B/D**
- **Symptom** : **No picture with Mal discharge**
- **Remedy** : **Replace the Y-B/D & Z-B/D**
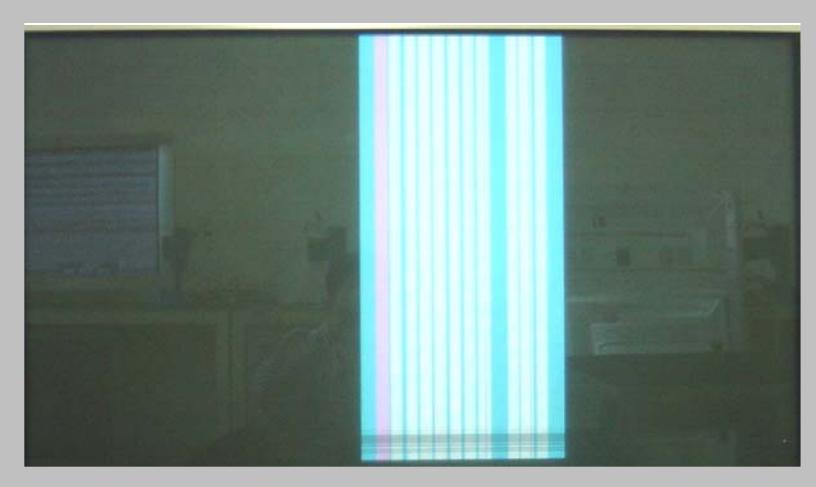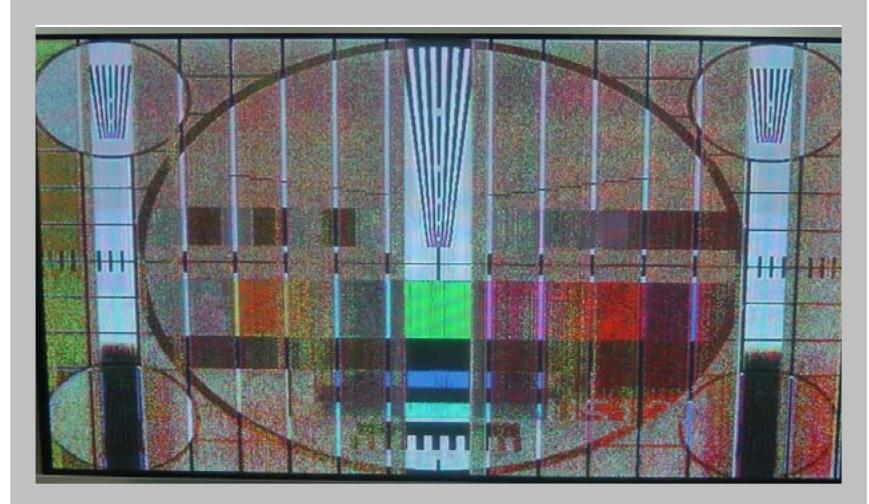
No signal status

With signal status

- **Applicable Model** : **All**
- **Main Check** : **Check the Diode of SUS-UP port and SUS-DOWN Port**
- **Symptom** : **Curtain Bar's position may move depended on**
  NO SIGNAL OSD
- **Remedy** : **Replace the Y-B/D**
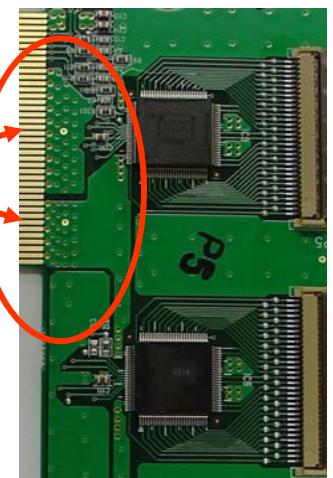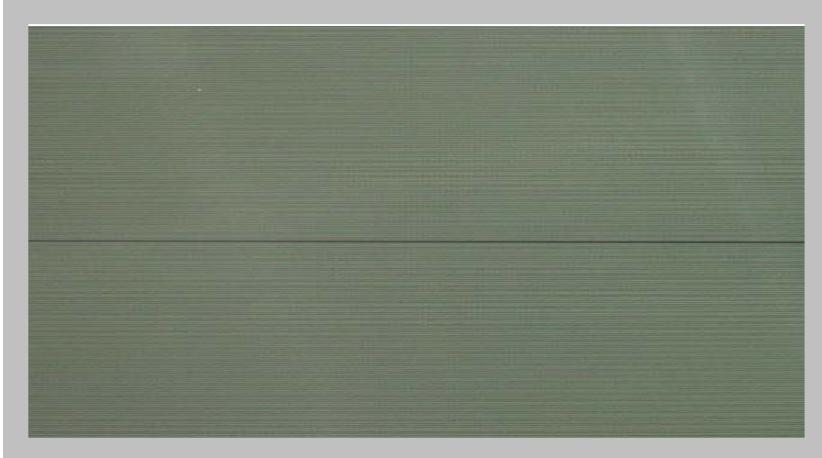
Horizontal Bar

With signal

- **Applicable Model** : **All**
- **Main Check** : **Check the Y-B/D or connector status for module**
- **Symptom** : **Horizontal Bar**
- **Remedy** : **Replace the Y-B/D or Dust of connection film between Y-B/D and Module**
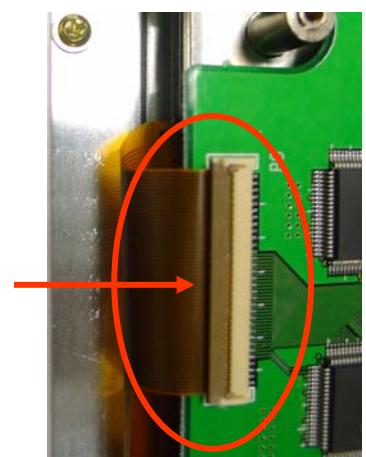
Dark Screen & Mal Discharge

Dark Screen and Mal discharge
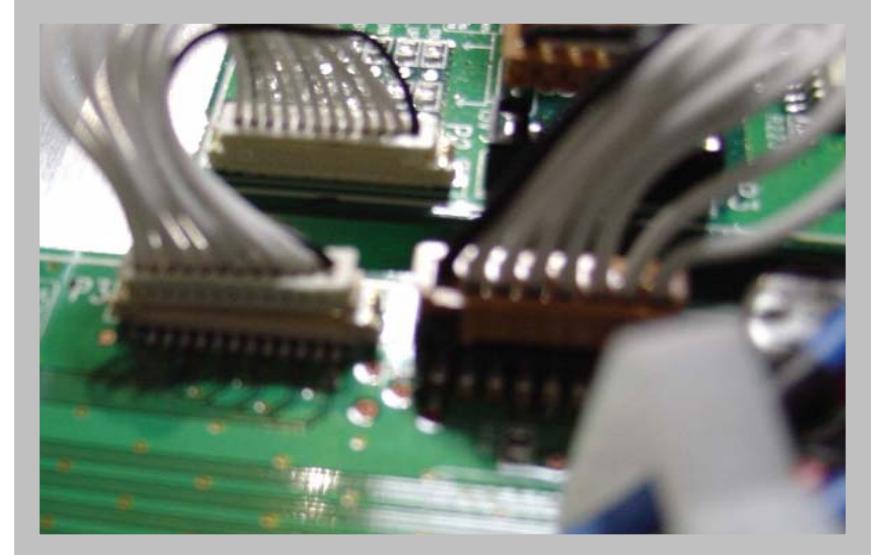
Poor connection of Connector Z–B/D and X–B/D

- **Applicable Model** : **M(X)-42PZ90**
- **Main Check** : **Check the Cable or B+ port of Z-B/D**
- **Symptom** : **Dark Screen and Heavy Noise**
- **Remedy** : **Check the Z-B/D and Cable**

Dark Screen & Mal Discharge

Dark Screen and Mal discharge

Dark Screen and Mal discharge

- **Applicable Model** : **All**
- **Main Check** : **Check the Cable or B+ port of Z-B/D**
- **Symptom** : **Dark Screen and Heavy Noise**
- **Remedy** : **Check the Z-B/D and Cable**